



## Spring 2017 Schedule

### Atmospheric Sciences (ATM)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
ATM 632 MPO	J1	Broadcast Meteorology	3	W	5:00pm-7:30pm	Wolfson 1008B	Phillips	10
ATM 554/ 654 MPO	35	Climate Variability	3	M/W	9:00am-10:15am	MSC 329	Clement <b>Prereq: Physics and calculus</b>	12
ATM 563/ 663 MPO	52	Mesoscale Meteorology	3	T/R	10:30am-11:45am	MSC 329	Mapes	20
ATM 537/ 637 MPO OCE	35	Natural Hazards: Atmosphere & Ocean	3	M/W	12:00pm-1:15pm	MSC 343	Shay	18
ATM 615 MPO	57	Numerical Weather Prediction	3	T/R	3:00pm-4:15pm	MSC 343	Chen	16
ATM 701 MPO	01	Seminar in ATM	1	W	3:00pm-4:00pm	SLAB 103	Mapes	20
ATM 711 MPO OCE	35	Geophysical Fluid Dynamics II	3	M/W	1:30pm-2:45pm	SLAB 120	Kamenkovich	25
ATM 734 MPO	54	Cloud Physics and Radiative Transfer	3	T/R	12:00pm-1:15pm	MSC 329	Zuidema	15
ATM 752 MPO	38	Vortex Dynamics	3	M/W	4:30pm-5:45pm	MSC 329	Nolan	12
ATM 765 MPO	32	General Circulation of the Atmosphere	3	M/W	10:30am-11:45am	MSC 329	Kirtman	14
ATM 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
ATM 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Atlas	
ATM 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Atlas	

## Marine Biology and Ecology (MBE)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MBE 505/ 605  Preference to MPS students	51	Marine Mammal Disease & Medicine	3	T/R	9:00am-10:15am	SLAB 120	Zaias	12
MBE 614	01	Tropical Marine Biology: A Field Course	3	<b>Special Dates:</b> 01/06/2017-01/14/2017			D'Alessandro  Lab Fees: \$150	12
MBE 518/ 618	35	Reef Coral Biology, Ecology & Conservation	3	M/W	1:30pm-2:45pm	MTLSS 167	Baker	18
MBE 521/ 621  Preference to MPS students	47	Field Techniques & Instrumentation in Tropical Marine Ecology	3	W	3:00pm-4:15pm	SLAB 114	Langdon & D'Alessandro	18
				F	9:00am-12:00pm	SLAB 114		
MBE 532/ 632	42	Marine Mammal Research Techniques	3	F	10:30am-1:00pm	SLAB 120	Eskelinen	12
MBE 529/629 BIL 551/ 651	01	Population Genetics & Genomics	3	T/R	4:00pm-5:30pm	SLAB 114	McCracken	8
MBE 686	32	Fish Physiology	3	M/W	12:00pm-1:15pm	MTLSS 167	Grosell	15
MBE 702	01	Biological Oceanography Seminar	1	F	1:00pm-2:00pm	SLAB 103	Fieber	40
MBE 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
MBE 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Fieber	
MBE 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Fieber	

## Marine Ecosystems and Society (MES)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MES 501/ 601	55	Political Ecology of Resource Management	3	T/R	1:30pm-2:45pm	SG 116	Meltzoff	12
MES 504/ 604	4K	Fieldwork in Coastal Management: Tourism, Conservation, & Development	3	W	6:25pm-8:50pm	Dooley 125E Coral Gables Campus	Suman <b>Spring Break Trip:</b> 03/10/17-03/18/17 <b>Location:</b> Chile <b>Additional Costs:</b> \$550 + Airfare	9
MES 510/ 610	57	Environmental Policy & the Environmental Impact Statement	3	T/R	3:00pm-4:15pm	SG 116	Suman	24
MES 513/ 613	32	Aquaculture II – Lab	3	M/W	10:30am-11:45am	SLAB 114	Benetti <b>Prereq:</b> <b>MES 512/612</b>	12
MES 514/ 614	42	Underwater Archaeology Field Techniques	3	M	10:00am-12:00pm	SLAB 120	Hanselmann <b>Prereq:</b> <b>RSM 500/600</b>	8
				W	8:00am-12:00pm	Open Water		
MES 515/ 615	48	Marine Archaeological Survey & Technology	3	W	4:30pm-6:30pm	SG 116	Hanselmann <b>Prereq:</b> <b>RSM 500/600 &amp; RSM 667</b>	10
				F	8:00am-5:00pm	Practicum		
MES 518/ 618	54	Coastal Zone Management	3	T/R	12:00pm-1:15pm	SG 116	Suman	23
MES 527/ 627	01	Exploration Science Field Studies	3	<b>Arranged Meetings During Semester:</b> TBD		RSMAS Library Media Room	K. Haywood <b>Spring Break Trip</b> <b>Special Fees:</b> \$1400 + Airfare	8
MES 528/ 628	52	Seafood Market & Marketing	3	T/R	10:30am-11:45am	SLAB 114	Walsh & Benetti	12
MES 529/ 629	52	Biology, Ecology, & Management of Mangrove Ecosystems	3	T/R	10:30am-11:45am	SG 116	Araujo	15
MES 531/ 631	34	Marine & Coastal Protected Area Theory, Planning, Management, & Issues	3	M/W	12:00pm-1:15pm	SG 116	Shivlani	20
MES 545/ 645 (formerly MBF)	35	Marine Population Assessment Surveys & Analysis	3	M/W	1:30pm-2:45pm	SG 116	Ehrhardt <b>Prereq: MBF 608, or permission from instructor</b>	12
MES 546/ 646 (formerly MBF)	32	Marine Population Biology Processes & Modeling	3	M/W	10:30am-11:45am	SG 116	Ehrhardt <b>Prereq: MBF 608, or permission from instructor</b>	12

MES 560/ 660	32	Intro to Marine Geographic Information Systems (GIS)	3	M	1:30pm-2:45pm	MSC 329	Estevanez	25
MES 561/ 661	01	Intro to Marine GIS Lab	0	W	1:30pm-2:45pm	MSC 329	Estevanez	13
MES 561/ 661	02	Intro to Marine GIS Lab	0	W	1:30pm-2:45pm	MSC 343	Estevanez	12
MES 562/ 662	35	Intermediate Spatial Analysis	3	M/W	9:00am-10:15am	MSC 343	Estevanez	19
MES 565/ 665	51	Exploration Technology & Media	3	T/R	9:00am-10:15am	SLAB 114	K. Haywood	12
MES 673	68	Marine Conservation Outreach	3	T	4:30pm-7:00pm	SLAB 120	Fletcher <b>Spring Break Trip:</b> 03/10/17-03/18/17 <b>Location:</b> Nicaragua <b>Additional Costs:</b> \$2000	12
MES 577/ 677 (formerly MBF)	37	Management and Conservation of Marine Ecosystems	3	M/W	3:00pm-4:15pm	SG 116	Die	16
MES 590/ 690 (formerly MBF)	34	Acoustic Measurement of Nekton, Plankton, & Underwater Habitat	3	M/W	12:00pm-1:15pm	SLAB 286	Thomas	10
MES 710	57	International Ocean Law & Governance	3	T/R	3:00pm-4:15pm	MSC 329	Shivlani	16
MES 774	01	<b>Advanced Studies</b> Independent Study for B. Brumund	3	ARR	ARR	ARR	Estevanez	1
MES 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
MES 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Richardson	
MES 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Richardson	

## Marine Geosciences (MGS)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MGS 511/ 611	52	Earth Surface Processes	3	T/R	10:30am-11:45am	N351	Eberli	13
MGS 519/ 619	01	Field Studies of Geobiology in Tropical Marine Environments	3	ARR	ARR	ARR	Reid <b>Special Fees:</b> TBD	7
MGS 541/ 641	01	Field Evaluation of Fossil Platforms, Margins, & Basins	2	ARR	ARR	ARR	Eberli, McNeill, Swart & Klaus <b>Field Location:</b> TBD	10
MGS 579/ 679	57	Plate Tectonics	3	T/R	3:00pm-4:15pm	N351	Harrison	10
MGS 583/ 683	01	Scanning Electron Microscopy	2	F	1:30pm-3:30pm	Chemistry Annex 142B Coral Gables Campus	Blackwelder	14
MGS 585/ 685	38	<b>Special Topics</b> Hydrological Hazards	3	W	3:00pm-5:45pm	N351	Wdowinski	12
MGS 701	01	Seminar in MGS	1	R	12:00pm-1:30pm	CIMAS 301	Pourmand	30
MGS 720	41	Satellite Radar Interferometry in the Earth Sciences	3	W	9:00am-11:45am	N351	Amelung	10
MGS 722	41	Geophysical Inverse Theory	3	M	9:00am-11:45am	N351	Amelung	10
MGS 771	45	Diagnosis of Carbonate Sediments	3	F	1:30pm-4:00pm	N351	Swart	10
MGS 776	55	Paleoclimatology	3	T/R	9:00am-10:15am	N351	Pourmand	10
MGS 784	01	<b>Advanced Studies</b> Seismic Interpretation of Carbonate Systems	2	ARR	ARR	ARR	Eberli	6
MGS 785	01	<b>Advanced Studies</b> Petrophysics of Carbonates	2	ARR	ARR	ARR	Weger & Eberli	5
MGS 787	01	<b>Advanced Studies</b> Carbonate Diagenesis & Petrography	2	ARR	ARR	ARR	Swart & MacKenzie	5
MGS 788	01	<b>Advanced Studies</b> Carbonate Depositional Systems	2	ARR	ARR	ARR	McNeill	10
MGS 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Lin	
MGS 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Lin	

## Meteorology and Physical Oceanography (MPO)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MPO 632 ATM	J1	Broadcast Meteorology	3	W	5:00pm-7:30pm	Wolfson 1008B	Phillips	10
MPO 543/ 643 OCE	34	Physics of Remote Sensing II: Active Systems	3	M/W	12:00pm-1:15pm	SLAB 120	Romeiser, Graber & Minnett	17
MPO 554/ 654 ATM	35	Climate Variability	3	M/W	9:00am-10:15am	MSC 329	Clement  <b>Prereq: Physics and calculus</b>	12
MPO 563/ 663 ATM	52	Mesoscale Meteorology	3	T/R	10:30am-11:45am	MSC 329	Mapes	20
MPO 537/ 637 ATM OCE	35	Natural Hazards: Atmosphere & Ocean	3	M/W	12:00pm-1:15pm	MSC 343	Shay	18
MPO 583/ 683 OCE	54	<b>Special Topics</b> Applied Radar Remote Sensing	3	T/R	12:00pm-1:15pm	MSC 343	Romeiser, Graber & Minnett	17
MPO 615 ATM	57	Numerical Weather Prediction	3	T/R	3:00pm-4:15pm	MSC 343	Chen	16
MPO 701 ATM	01	Seminar in MPO	1	W	3:00pm-4:00pm	SLAB 103	Mapes	20
MPO 711 ATM OCE	35	Geophysical Fluid Dynamics II	3	M/W	1:30pm-2:45pm	SLAB 120	Kamenkovich	25
MPO 712 OCE	55	Large-Scale Ocean Circulation: Models & Observations	3	T/R	1:30pm-2:45pm	MSC 329	Johns	12
MPO 734 ATM	54	Cloud Physics and Radiative Transfer	3	T/R	12:00pm-1:15pm	MSC 329	Zuidema	15
MPO 752 ATM	38	Vortex Dynamics	3	M/W	4:30pm-5:45pm	MSC 329	Nolan	12
MPO 765 ATM	32	General Circulation of the Atmosphere	3	M/W	10:30am-11:45am	MSC 329	Kirtman	14
MPO 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Iskandarani	
MPO 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Iskandarani	

## Ocean Sciences (OCE)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
OCE 509/ 609	57	Coastal Physics & Engineering	3	T/R	3:00pm-4:15pm	SLAB 120	Haus	10
OCE 610	31	Ocean Biogeochemistry	3	M/W	9:00am-10:15am	SLAB 286	Hansell	8
OCE 531/ 631	41	Ocean Measurements	3	W/F	9:00am-10:15am	SLAB 120	DeFerrari	15
OCE 543/ 643 MPO	34	Physics of Remote Sensing II: Active Systems	3	M/W	12:00pm-1:15pm	SLAB 120	Romeiser, Graber & Minnett	17
OCE 551/ 651	55	Applied Ocean Acoustics & Marine Mammals	3	T/R	1:30pm-2:45pm	MSC 343	DeFerrari Prereq: Calculus and UG physics	16
OCE 576/ 676	52	Wave Propagation in the Ocean Environment	3	T/R	10:30am-11:45am	SLAB 286	Romeiser	8
OCE 537/ 637 MPO ATM	35	Natural Hazards: Atmosphere & Ocean	3	M/W	12:00pm-1:15pm	MSC 343	Shay	18
OCE 583/ 683 MPO	54	Special Topics Applied Radar Remote Sensing	3	T/R	12:00pm-1:15pm	MSC 343	Romeiser, Graber & Minnett	17
OCE 711 MPO ATM	35	Geophysical Fluid Dynamics II	3	M/W	1:30pm-2:45pm	SLAB 120	Kamenkovich	25
OCE 712 MPO	55	Large Scale Ocean Circulation: Models & Observations	3	T/R	1:30pm-2:45pm	MSC 329	Johns	12
OCE 770	01	Seminar in OCE	1	F	11:00am-12:00pm	MSC 343	Romeiser	40
OCE 780	01	Capstone Independent Study of Coastal Engineering	3	ARR	ARR	MTLSS Bldg.	Haus	5
OCE 790	51	Mechanics & Thermodynamics of the Air-Sea Interface	3	T/R	9:00am-10:15am	MSC 343	Haus & Graber	8
OCE 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
OCE 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Brown	
OCE 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Brown	

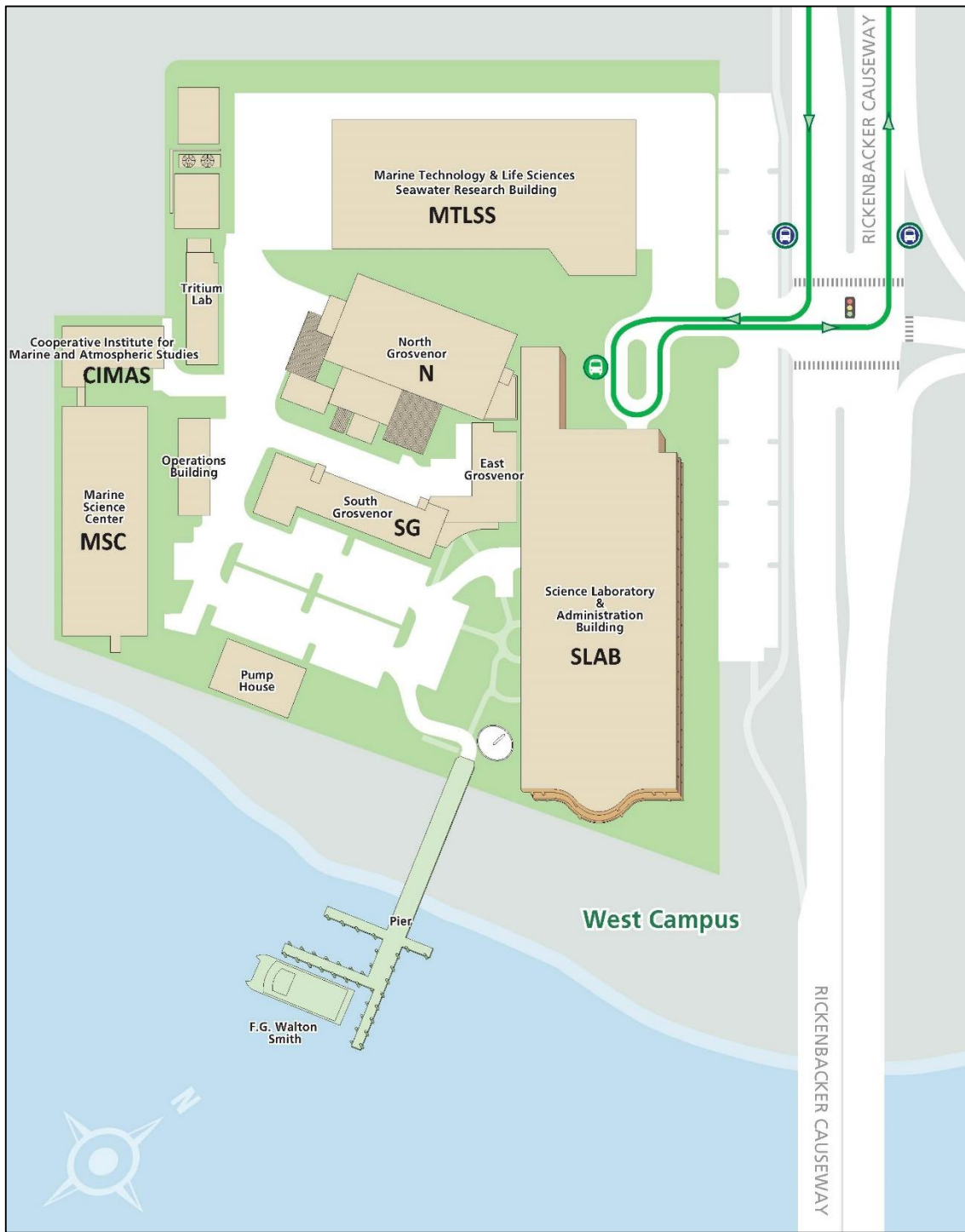
## RSMAS General Courses (RSM)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
RSM 500/ 600 Required: Valid open water diver certification with an accredited agency.	01	Research Diving Techniques	3	M/W	9:00am-11:00am	Pool	Gomez	12
				M/W	4:30pm-6:00pm	SG 116		
				F	7:00am-12:00pm	OW Dives		
RSM 500/ 600 Required: Valid open water diver certification with an accredited agency.	02	Research Diving Techniques	3	T/R	9:00am-11:00am	Pool	Gomez <b>Mandatory Spring Break Trip</b> Additional Costs: \$2000	12
				M/W	4:30pm-6:00pm	SG 116		
				F	1:00pm-6:00pm	OW Dives* When Necessary		
<p><b>This section (02) requires a <u>mandatory</u> Spring Break trip to Bonaire which will require additional costs (approx. \$2000). Please contact the instructor for more information: <a href="mailto:rgomez@rsmas.miami.edu">rgomez@rsmas.miami.edu</a></b></p>								
RSM 513/ 613	52	Statistical Modeling of Extreme & Rare Events	3	T/R	10:30am-11:45am	MSC 343	Mariano  Prereq: RSM 512/612, calculus, or permission from instructor	20
RSM 520/ 620	65	Climate & Society	3	T	12:00pm-2:30pm	CIMAS 301	Clement & Maranto	16
RSM 521/ 621	33	Object-Oriented Programming & Agent-Based Modelling	3	M/W	11:05am-12:35pm	Ungar 210P Coral Gables Campus	McManus	18
RSM 566/ 666	32	Polar Science	3	M	3:00pm-4:15pm	SLAB 114	Minnett & Smith	18
				R	1:30pm-2:45pm			
RSM 667	01	Motorboat Operator Certificate Course (MOCC)	2	M	8:00am-11:30am	ARR	Teare	3
RSM 667	02	Motorboat Operator Certificate Course (MOCC)	2	T	8:00am-11:30am	ARR	Teare	3
RSM 667	03	Motorboat Operator Certificate Course (MOCC)	2	W	8:00am-11:30am	ARR	Teare	3
RSM 667	04	Motorboat Operator Certificate Course (MOCC)	2	R	8:00am-11:30am	ARR	Teare	3
RSM 667	05	Motorboat Operator Certificate Course (MOCC)	2	F	8:00am-11:30am	ARR	Teare	3



RSM 667	08	Motorboat Operator Certificate Course (MOCC)	2	M	1:15pm-4:30pm	ARR	Teare	3
RSM 667	09	Motorboat Operator Certificate Course (MOCC)	2	T	1:15pm-4:30pm	ARR	Teare	3
RSM 667	10	Motorboat Operator Certificate Course (MOCC)	2	W	1:15pm-4:30pm	ARR	Teare	3
RSM 667	11	Motorboat Operator Certificate Course (MOCC)	2	R	1:15pm-4:30pm	ARR	Teare	3
RSM 667	12	Motorboat Operator Certificate Course (MOCC)	2	F	1:15pm-4:30pm	ARR	Teare	3
RSM 667	06	Motorboat Operator Certificate Course (MOCC)	1	<b>Special Dates:</b> 01/02/2017-01/06/2017 <b>Time:</b> 9:00am-5:00pm		ARR	Teare	6
RSM 667	07	Motorboat Operator Certificate Course (MOCC)	1	<b>Special Dates:</b> 03/13/2017-03/17/2017 <b>Time:</b> 9:00am-5:00pm		ARR	Teare	6
RSM 571/ 671	52	<b>Special Topics</b> Science Communication: Professional Writing	1	<b>Special Dates:</b> Tuesday & Thursday 01/17/2017-02/16/2017 <b>Time:</b> 10:30am-11:45am		SLAB 120	A. Haywood	18
RSM 674	34	<b>Special Topics</b> Data Management in the Research Environment: UM Libraries	2	M/W	12:00pm-1:15pm	SLAB 114	Clark & Norris	23
RSM 575/ 675	35	<b>Special Topics</b> Fractals & Scaling Laws in the Geophysical Sciences	3	M/W	1:30pm-2:45pm	SLAB 286	Willemsen <b>Prereq: Calculus, or permission from instructor</b>	7
RSM 577/677	01	<b>Special Topics</b> Science Communication: Advanced Presentation Bootcamp	1	<b>Special Dates:</b> Saturday & Sunday 02/18/2017 – 02/19/2017 <b>Time:</b> 8:30am-4:30pm		SLAB 120	Lopez-Duarte & Tankersley <b>Prereq: RSM 546/646</b>	15
RSM 700	01	Research Ethics	0	ARR	ARR	ARR	Majumdar	

RSM 710 (formally MBF 710)	34	Physical Environment of Marine Organisms	3	M/W	12:00pm-1:15pm	MSC 329	Bakun	15
RSM 771	01	Educational Training 1	1	ARR	ARR	ARR	Majumdar	
RSM 772	01	Educational Training 2	3	ARR	ARR	ARR	Majumdar	
RSM 773	01	Educational Training 3	3	ARR	ARR	ARR	Majumdar	
RSM 780	48	<b>Directed Readings</b> Current Topics in Coral Reefs	1	W	4:00pm-5:00pm	MTLSS 128	Baker	10



- SG = South Grosvenor
- SLAB = Science Laboratory & Administration Building
- MSC = Marine Science Center
- MGS Microscope/ N351 = North Grosvenor
- MTLSS = Marine Technology & Life Sciences Seawater Research Building
- CIMAS = Cooperative Institute for Marine and Atmospheric Studies